

District Name: <u>Henderson County</u>	District Code: <u>251</u>	Facility Name: _____	School Code: _____
Project Name: <u>New Access Controls and Security Cameras</u>			
PROJECT TYPE:		Yes	No
New Building	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Gross Building Area (sf.) _____
Addition	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
Renovation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
Provisions for Future Expansion:		<u>Yes, the card reader and security camera systems can be expanded.</u>	
Proposed Alternates:		(1) <u>Provide cameras manufactured by Hanwha</u>	
		(2) <u>Provide RS2 access control and management platform and software</u>	
		(3) _____	
Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed. <u>We are adding card readers & security cameras to an existing system. The following buildings are included: A.B. Chandler, Cairo, Central Academy, East Heights, North Middle, South Middle, Niagara, South Heights, Thelma B. Johnson Early Learning Center, Bend Gate, Henderson Co High and Spottsville.</u>			
<u>BUILDING CONSTRUCTION CHARACTERISTICS:</u>			
Description of Building Structure:			
Foundation: <u>n/a - existing to remain as is</u>			
Exterior Walls: <u>n/a - existing to remain as is</u>			
Roof Structure: <u>n/a - existing to remain as is</u>			
<u>ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):</u>			
<u>n/a</u> Energy Consumption "Existing" (kBtu/sf/yr)			
<u>n/a</u> Energy Consumption Target (kBtu/sf/yr)			
YES	NO		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	LEED Certified	Other: _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Designed to meet Energy Star	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exceeds ASHRAE 90.1(2007) by 10% (Minimum)	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Whole Building Life Cycle Cost Analysis Demonstrating Cost Effective Design	
Life Cycle Cost Analysis Software Used: _____			
If not yes to one or more of the above, explain why. <u>Adding new card readers and security cameras to existing system.</u>			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Designed to be Net-Zero	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Designed to be Net-Zero Ready	
Energy Efficient Design Features: (See List Page 4, or Use Drop Down List)			
East / West Building Orientation		<input type="checkbox"/> YES	<input type="checkbox"/> NO
Gross Exterior Wall Area (sf):	<u>n/a</u>	Avg. Exterior Wall R-Value:	<u>n/a</u>
Gross Window / Door Area (sf):	<u>n/a</u>	Avg. Window/Door R-Value:	<u>n/a</u>
Gross Roof Area (sf)	<u>n/a</u>	Avg. Roof R-Value:	<u>n/a</u>
Exterior Wall Type:	<u>n/a</u>	Other:	<u>n/a</u>
Roofing Type:	<u>n/a</u>	Other:	<u>n/a</u>
HVAC System Type	<u>n/a</u>	Other:	<u>n/a</u>
Classroom Lighting:	<u>n/a</u>	Other:	<u>n/a</u>
Active Daylighting:	<u>n/a</u>	Other:	<u>n/a</u>
Passive Daylighting	<u>n/a</u>	Other:	<u>n/a</u>
On Site Energy Generation:	<u>n/a</u>	Other:	<u>n/a</u>

Air Purification Systems : YES ☐ NO ☒

Gray Water System : YES ☐ NO ☒

Low Water Use Fixtures : YES ☐ NO ☒

Other: _____

PLUMBING:

Type of Sewage Disposal: n/a

HEATING, VENTILATION AND AIR CONDITIONING:

Heating Only: n/a Heating & Mechanical: n/a HVAC: n/a A/C Only: n/a
Ventilation Only

Fuel Source/Backup (if applicable): _____

ELECTRICAL:

Source of Electric Power:	<u>Existing</u>	Lighting Intensity (fc.):	
		Std. Classrooms	<u>n/a</u>
Voltage Serving Facility:	<u>120/208 VAC 3-phase</u>	Library/Media Ctr	<u>n/a</u>
		Science Lab	<u>n/a</u>
Number of Convenience Outlets:		Science Clrm	<u>n/a</u>
Classrooms	<u>n/a</u>	Band/Music	<u>n/a</u>
Library/Media Center	<u>n/a</u>	Business Ed	<u>n/a</u>
Business Ed	<u>n/a</u>	Shops	<u>n/a</u>
Family & Consumer Science	<u>n/a</u>	Corridors	<u>n/a</u>
		Stairways	<u>n/a</u>
Camera System:	<u>Adding to Existing</u>	Cafeteria	<u>n/a</u>
		Pre-School Clrm	<u>n/a</u>
		Art Classroom	<u>n/a</u>
		Gymnasium	<u>n/a</u>

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	<u>n/a</u>		
Clock	<u>n/a</u>		
Fire Alarm	<u>n/a</u>		
Intercom	<u>n/a</u>		
Telephone	<u>n/a</u>		
Television	<u>n/a</u>		
Computer	<u>n/a</u>		
Wireless Network	<u>n/a</u>		
Interactive White bd	<u>n/a</u>		
Voice Amplification	<u>n/a</u>		

FIXED EQUIPMENT:

Teacher Cabinet	<u>n/a</u>	Custodial Room Shelves	<u>n/a</u>
Student Lockers	<u>n/a</u>	Science Laboratories	<u>n/a</u>
Folding Bleachers	<u>n/a</u>	Family & Consumer Sci	<u>n/a</u>
Library Furnishings	<u>n/a</u>	Other	
Dry Food Shelves	<u>n/a</u>	Other	

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	n/a	n/a	n/a	n/a
Corridors	n/a	n/a	n/a	n/a
Custodial	n/a	n/a	n/a	n/a
Kitchen	n/a	n/a	n/a	n/a
Cafeteria	n/a	n/a	n/a	n/a
Gym	n/a	n/a	n/a	n/a
Showers/Locker	n/a	n/a	n/a	n/a
Toilets	n/a	n/a	n/a	n/a
Library/Media Cntr	n/a	n/a	n/a	n/a
Classrooms	n/a	n/a	n/a	n/a
Music	n/a	n/a	n/a	n/a
Art	n/a	n/a	n/a	n/a
Science	n/a	n/a	n/a	n/a
FMD	n/a	n/a	n/a	n/a

OTHER AREAS

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Miscellaneous Project Specific Features:

All existing finishes, rooms and spaces to remain as is.

Kentucky Registered Architect:

Signature

Date: 4/13/21

Kentucky Registered Engineer:

Signature

Date: 4/13/21

Board Designee or Superintendent:

Signature

Date: _____

Exterior Wall Type

- A - face brick, captured air space, board insulation and waterproof CMU
- B - face brick, captured air space, sprayed insulation on CMU
- C - face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D - face brick, ICF poured concrete, interior finish system
- E - other, describe

Roofing Type List

- A - modified bitumen over rigid insulation
- B - EPDM over rigid insulation
- C - plastic single ply over rigid insulation
- D - metal roofing over nailable deck with insulation
- E - asphalt shingle roofing over nailable deck with insulation
- F - other, describe

HVAC System Type List

- A - two pipe unit ventilator system
- B - water source heat pump system with air make up
- C - ground source heat pump system with air make up
- D - hybrid water source heat pump system with boiler/chiller and well field with air make up
- E - variable refrigerant flow (VRF) with air make up
- F - hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G - variable refrigerant volume (VRV) with air make up
- H - hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I - chilled beam system
- J - hybrid chilled beam/geothermal system
- L - other

Classroom Lighting List

- A - T8 fluorescent fixtures
- B - T5 fluorescent fixtures
- C - high energy gas fixtures
- D - low voltage systems
- E - other

Active Daylight System List

- A - classroom fluorescent dimming including dimming switches, ballasts and sensors
- B - occupancy light control sensors
- C - remote sensor bi-level lighting with no fixtures dimming
- D - manual bi-level lighting with no fixture dimming
- E - other
- F - none

Passive Daylight Systems List

- A - upper classroom clerestory lighting with sloped ceiling plane
- B - lower classroom clerestory lighting that does NOT require sloping the ceiling plane
- C - exterior light shelves
- D - solar tubes without dimming
- E - solar tubes with internal dimmers
- F - other
- G - none

On Site Energy Generation List

- A - solar water heating
 - B - solar electric generation (small units for demonstration or for limited areas)
 - C - solar electric generation (to support the entire building's energy needs)
 - D - wind generation (small units for demonstration or for limited areas)
 - E - wind generation (to support the entire building's energy needs)
 - F - other
 - G - none
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